BRUHATH BANGALORE MAHANAGARA PALIKE

Rajarajeswarinagar Zone.

Name Of Works : Construction of basketball court and Allde park developments in sharadamda nagara in ward no 16

Est.Cost. Rs. 100 Lakhs

Job Code No.016-21-000001

Sl	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (P-6, I. No.2.3)								
	for single court		1	25.00	22.00	0.50	275.00		
	Schedule-B Rate	380.00							
		Cum			Total Qnty		275.00	380.00	104500.00
2	KSRB 2-2.1 :Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.as per specifications. 2.3 KSRB 2-2.1: - do - in ordinary soil. No. KBS 2.1(a) / 2.3.5 (Page - 5/ Item no.2.3)								
	for single court								
	For fencing		1	28.00	1.00	1.00	28.00		
			1	22.50	1.00	1.00	22.50		
			1	23.50	1.00	1.00	23.50		
	For Inside		1	28.00	1.00	1.00	28.00		
			1	24.00	1.00	1.00	24.00		
	For Outer Columns		18	1.20	1.20	1.50	38.88		
	For inner Columns		20	1.20	1.20	1.50	43.20		
	Deduction of Column		-18	1.20	1.20	1.00	-25.92		
			-20	1.20	1.20	1.00	-28.80		
	Schedule-B Rate	436.00							
		Cum			Total Qnty		153.36	436.00	66864.96
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix **1:3:6 with OPC cement** @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13/I.No. 4.2 (2018-19)								
	Bed Concrete								
	for single court								
	For fencing		1	28.00	1.00	0.15	4.20		
			1	22.50	1.00	0.15	3.38		
			1	23.50	1.00	0.15	3.53		
	For Inside		1	28.00	1.00	0.15	4.20		
			1	24.00	1.00	0.15	3.60		
	For Outer Columns		18	1.20	1.20	0.15	3.89		
	For inner Columns		20	1.20	1.20	0.15	4.32		
	Deduction of Column		-18	1.20	1.00	0.15	-3.24		

Scanned with CamScanner

Sl	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
			-20	1.20	1.00	0.15	-3.60		
	Drain		1	30.00	1.00	0.15	4.50		
							24.77		
						Schedule B Qty	68.96		
						Qty upto 125%	24.77	5781.00	143183.808
	Schedule-B Rate	5781.00 Cum							
	KSRB 5.2-3 : Providing and constructing **granite / trap / basalt size stone masonry** in **foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No. 25								
4	**Foundation** for single court	cum							
	For fencing		1	28	0.80	0.60	13.44		
			1	23	0.80	0.60	10.80		
			1	24	0.80	0.60	11.28		
			1	28	0.80	0.60	13.44		
			1	24	0.80	0.60	11.52		
	Deduction of Column								
			-18	1.20	0.80	0.60	-10.37		
			-20	1.20	0.80	0.60	-11.52		
	Schedule-B Rate	5115.00							
						Total Qnty	38.59	5115.00	197398.08
	KSRB 5.3-3 : Providing and constructing **granite / trap / basalt size stone** masonry in **basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No. 25								
5	**Basement** for single court	Cum							
	For fencing		1	28.00	0.45	0.40	5.04		
			1	22.50	0.45	0.40	4.05		
			1	23.50	0.45	0.40	4.23		
			1	28.00	0.45	0.40	5.04		
			1	24.00	0.45	0.40	4.32		
	Deduction of Column								
			-18.00	1.20	0.45	0.40	-3.89		
			-20	1.20	0.45	0.40	-4.32		
	Schedule-B Rate	6103.00							
						Total Qnty	14.47	6103.00	88322.62
	KSRB 4-1.6 :Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.No. 13								

Scanned with CamScanner

Sl	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
		cum							
	Coping								
6	For fencing		1	28.00	0.2	0.15	0.84		
			1	22.50	0.2	0.15	0.675		
			1	23.50	0.2	0.15	0.705		
	For Inside		1	28.00	0.2	0.15	0.84		
			1	24.00	0.2	0.15	0.72		
	Schedule-B Rate	6035.00							
					Total Qnty		3.78	6035.00	22812.30
	KSRB 5.14.1 : Providing and constructing load bearing wall with concrete solid blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1): 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, Scaffolding, Curing, hire charges of machineries etc., complete as per specification. KBS No.5.4-do with solid concrete blocks of size 400*150*200 mm (P-27/5.27.2) PWD SR 2018-19								
		cum							
EX-1	for court		1	28		1.5	42.00		
			1	24		1.50	36.00		
			1	22.5		3.60	81.00		
	For sitting Area		4	9.0		0.50	18.00		
	From Rate Analysis	1053.92							
					Total Qnty		177.00	1053.92	186543.84
	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (page no-116 item no-15.17)								
		cum							
EX-2	for single court		2	28		1.5	84.00		
			2	24		1.5	72.00		
			2	22.5		3.6	162.00		
	For sitting Area		4	9		0.50	18.00		
	From Rate Analysis	275.86							
					Total Qnty		336.00	275.86	92687.35
	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 4.31 pg 16								
		cum							
EX-3	For Columns		6	1.2		5	36.00		
			12	1.2		3.20	46.08		
			20	1.2		1.50	36.00		

Scanned with CamScanner

Sl	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	From Rate Analysis	395.91							
					Total Qnty		118.08	395.91	46749.23
EX-4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 4.32 pg 16								
		cum							
	For Plinth Beam		2	28		0.45	25.20		
			2	23.5		0.45	21.15		
			2	22.5		0.45	20.25		
	Inner Side		2	28		0.45	25.20		
			2	24		0.45	21.60		
	From Rate Analysis	504.29							
					Total Qnty		113.40	504.29	57186.43
EX-5	KSRRB 300-3. Earthwork excavation by manual means in hard soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 143/ Item No. 19.2/ PWD SR 2018-19								
		cum							
	Drain		1	30.0	1.20	1.00	36.00		
	From Rate Analysis	197.96							
					Total Qnty		36.00	197.96	7126.41
EX-6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. do- Wall & bottom thickness 15cm (P-270/37.59.2) PWD SR 2018-19								
		cum							
	For Raft								
	Drain		1	30	1.10	0.15	4.95		
	For Wall								
	Drain		2	30	0.15	1.20	10.80		
	From Rate Analysis	7744.40							
					Total Qnty		15.75	7744.40	121974.37
EX-7	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.90 x 0.60 x 0.10) (Approved Data rate)								
		cum							
	For Drain								
			1	30		1.2	36.00		
	Data Rate	2337.00							
					Total Qnty		36.00	2337.00	84132.00

Scanned with CamScanner

Sl	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	KSRRB M300-4.Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc complete as per specifications. MORTH Specification No. 307								
		sqm							
EX-8	Drain Covering Slab		1	9		1.5	13.50		
	Data Rate	113.91							
					Total Qnty		13.50	113.91	1537.75
	KSRB 15.1.1 Providing **flush pointing to square rubble**, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. P.No. 115								
		sqm							
	for court								
7	For fencing		2	28.00		0.90	50.40		
			2	22.50		0.90	40.50		
			2	23.50		0.90	42.30		
	Schedule-B Rate	157.00							
					Total Qnty		133.20	157.00	20912.40
8	Providing and fixing **M.S. Gate as per** Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. (Page No- 45).I.No7.37								
		Sqm							
	for court								
			1	2.00		1.80	3.60		
	Schedule-B Rate	3352.00							
					Total Qnty		3.60	3352.00	12067.20
	Fabrication supplying and erecting M.S. tubular trusses of all spans as Kg per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification Page No. 43 I.No. 7.29								
	Fencing at North Side	kg	nos			Kg			

Scanned with CamScanner

Sl	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	Vertical Pipe(72x72x6)		9			71.70	645.30		
	Horizontal Pipe(72x72x6)		24			71.70	1720.80		
	Vertical Stiffner pipe(72x72x6)		16			71.70	1147.20		
	Base plate 16mm(200x200)		9			11.5	103.50		
	fencing at West Side								
	Vertical Pipe(72x72x6)		9			71.90	647.10		
	Horizontal Pipe(72x72x6)		27			71.90	1941.30		
	Vertical Stiffner pipe(72x72x6)		16			71.90	1150.40		
	Base plate 16mm(200x200)		9			11.5	103.50		
	fencing at South Side								
	Vertical Pipe(72x72x8)		12			71.90	862.80		
	Horizontal Pipe(72x72x8)		36			71.90	2588.40		
	Vertical Stiffner pipe(72x72x8)		24			71.90	1725.60		
	Base plate 16mm(200x200)		10			11.5	115.00		
EX-9	**fencing at East Side**								
	Vertical Pipe(72x72x6)		9			91.29	821.61		
	Horizontal Pipe(72x72x6)		27			71.90	1941.30		
	Vertical Stiffner pipe(72x72x6)		16			71.90	1150.40		
	Base plate 16mm(200x200)		9			11.5	103.50		
	Light Structure(150x150x8)		16			254.1	4065.60		
	Base plate For Light Column(350x350x12)		12			30.0	360.00		
	Base plate For Basket Ball Poles(350x350x25)		2			35.0	70.00		
	Strips Details								
	Park Side								
	40*9Bays 360								
	40*9Bays 360								
	Main Road Side								
	40*10 400								
	40*10 400								
	Wall Side								
	40*9Bays 360								
	40*9Bays 360								
	Apartment side								
	40*8Bays 320								
	2560	Rft					400.00		
							21663.31		
							Schedule B Qty	13960.00	
							Qty upto 125%	17450.00	122.75
							Above125%	4213.31	122.75
	From Rate Analysis		122.75						

Scanned with CamScanner

	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications. .KPWD S.R 2018-19 Page No. 266 I.No. 37.3								
	Chain Link	**Sqm**							
9	Fencing for court		1	28.00		6.00	168.00		
			1	23.50		6.00	141.00		
			1	24.00		6.00	144.00		
			1	22.50		3.60	81.00		
	deduction of gate		-1	2.00		1.80	-3.60		
							530.40		
							530.40	796.00	422198.40
	Schedule-B Rate		796.00						
10	KSRRB M300-14. **Excavation for roadwork** in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301(pg no-143,S.Lno-19.14)KPWD S.R 2018-19								
		Cum							
	for basketball court		1	24.00	22.50	0.4	216.00		
	for light poles		16	0.50	0.50	0.60	2.40		
							218.40	88.00	19219.20
	Schedule-B Rate	88.00							
11	Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.Lno-20.5)KPWD S.R 2018-19								
		Cum							
	for basketball court		1	24.00	22.50	0.30	162.00		
							162.00	2080.00	336960.00
	Schedule-B Rate	2080.00							
12	KSRRB M600-1.Providing and Constructing **dry lean cement concrete** mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5-do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. (P.No.174, I.No. 22.1.2 of PWD SR 2018-19)								
		Cum							
	for basketball court		1.00	24.00	22.50	0.15	81.00		
	for light poles		16.00	0.50	0.50	0.30	1.20		
							82.20	4071.00	334636.20

Scanned with CamScanner

	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	Basic Rate	3665.00							
	Area Weightage @ 6%	219.90							
	Schedule-B Rate	4071.00							
13	Constructing un-reinforced, plain **cement concrete for pavements** using Grade concrete **M30** over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications.do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (P.No.175, I.No. 22.6.1 of PWD SR 2018-19)								
		Cum							
	for basketball court		1	24.00	22.50	0.20	108.00		
	for light poles		16	0.50	0.50	0.30	1.20		
	For Footings		6	1.00	1.00	0.50	3.00		
			12	1.00	1.00	0.50	6.00		
			20	1.00	1.00	0.50	10.00		
	For Columns		6	0.45	0.15	5.00	2.03		
			12	0.45	0.15	3.20	2.59		
			20	0.45	0.15	1.50	2.03		
	For Plinth Beam								
			1	28.00	0.30	0.45	3.78		
			1	23.50	0.30	0.45	3.17		
			1	22.50	0.30	0.45	3.04		
	Inner Side		1	28.00	0.30	0.45	3.78		
			1	24.00	0.30	0.45	3.24		
							151.85		
							Schedule B Qty 95.10		
							Qty upto 125% 118.88	5405.00	642519.375
							Above125% 32.98	5878.27	193847.648
	Schedule-B Rate	5405.00							
14	Basket ball marking with white paint in machine as per the drawing(Data Rate)								
		sqm							
	for court		4				4.00		
							4.00		
							Qty upto 125% 1.25	50000.00	62500
							Above125% 2.75	50000.00	137500.000
	Rate	50000.00							
	Total	50000.00							
15	Basket ball net and board with M S pole firmly fixed with concrete(Data Rate)								
		sqm							
	for court		2				2.00		
							2.00	125000.00	250000.00
	Rate	125000.00							

Scanned with CamScanner

	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	Total	125000.00							
	Storm Water Drain								
16	KSRRB M2300-9.2. Furnishing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification M-40 grade complete as per specifications. E. PSC Grade M-40, Case - I : Using Concrete Mixer MORTH Specification No. 1500,1600 & 1700, Height up to 5 m (P-236, I.No.29.20.1)								
		Cum							
	Covering slab		1	5.30	3.50	0.3	5.57		
							5.57	7856.00	43718.64
	Basic Rate	7072.00							
	Area Weightage @ 6%	424.32							
	Schedule-B Rate	7856.00							
17	KSRRB M2300-14. Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications MORTH Specification No. 1600, TMT bars Fe 500 (Page No. 239, Item No. 29.29.2)								
	Steel	Tonn	5.57		80		445.2		
	apprx. 1 cum concrete = 80 kgs steel								
	For Column Footings120kg		19.00		120.00		2280.00		
	For Column 120kg		6.642		120.00		797.04		
	For Plinth Bean 120kg		9.990		120.00		1198.8		
	Slab 120kg		5.565		120.00		667.8		
	For inside Plinth Beam		7.020		121.00		849.42		
	For Drain		15.750		60.00		945		
							7183.26	kg	
							7.18326	tonne	
						Schedule B Qty	0.34		
						Qty upto 125%	0.43	77544.00	32956.2
						Above125%	6.76	77196.10	521711.3418
	Schedule-B Rate	77544.00							
EX-10	Fabricating,providing and erecting in position of MS Hot Dip Galvanized Sq.Hallow Poles of 132 x 132 Heavy gauge of length 3000mm with MS.Hot dip galvanized grill work as per approved design and drawing of chief architect.using 12x75mm galvanized flat for(DATA RATE APPROVED)								
		cum							
	Grill		1	27		0.75	20.25		
	Data Rate	9144.14				Total Qnty	20.25	9144.14	185168.84
EX-11	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.(Page No.32, Item No.5.48) 2019-20 Electrical SR								
		Each	1				1.00		
	Erom Rate Analysis	4204.50				Total Qnty	1.00	4204.50	4204.50

Scanned with CamScanner

	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
EX-12	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.(Page No.26, Item No.5.13.4)								
		Each	1				1.00		
	Erom Rate Analysis	7511.76							
						Total Qnty	1.00	7511.76	7511.76
EX-13	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(Page No.27, Item No.5.17.9)								
		Each	1				1.00		
	Erom Rate Analysis	2500.79							
						Total Qnty	1.00	2500.79	2500.79
EX-14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.(Page No.5, Item No.2.3.2)1)1.5 sqmm								
		Mtr	40				40.00		
	Erom Rate Analysis	21.39							
						Total Qnty	40.00	21.39	855.51
EX-15	16 sqmm								
		Mtr	45				45.00		
	Erom Rate Analysis	196.14							
						Total Qnty	45.00	196.14	8826.32
Ex-16	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint 1) 40x40x6 (Page No.30, Item No.5.41.1)								
		RMtr	20				20.00		
	Erom Rate Analysis	266.04							
						Total Qnty	20.00	266.04	5320.83
EX-17	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-397 4 core 16 sqm (pag. No.40, Item No.6.4.4)								
		RMtr	80				80.00		
	Erom Rate Analysis	156.50							
						Total Qnty	80.00	156.50	12519.60
EX-18	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 6 sqmm to 16 sqmm (item No.6.5.1 Page No.41)								
		Mtr	80				80.00		
	Erom Rate Analysis	12.39							
						Total Qnty	80.00	12.39	991.55
EX-19	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 16 sqmm (Item No.6.17.6, Pag No.43)								
		Each	10				10.00		
	Erom Rate Analysis	12.98							
						Total Qnty	10.00	12.98	129.79

Scanned with CamScanner

	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	Supplying and Fixing.....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts, nuts and wiring using suitable capacity wires. Using 32mm dia G.I.Pipe (Item No.14.2.2, Ipag No.79)								
		Each	46				46.00		
	Erom Rate Analysis	1097.55					46.00	1097.55	50487.37
EX-21	Supply of....Bay integral induction luminary fittings Die cast aluminium base with suitable prewired electronic control gear to operate on 170 to 250V 50Hz AC Supply And Suitable Wattage induction lamp. The fitting should have fitted with toughened transparent glass botttom etc. completly the body of the fitting shall be finished with black/grey powder coated paint with enclosure conforming to IP54 Specifications.150(Item No,4.26.2, Pg No 24)								
		Each	16				16.00		
	Erom Rate Analysis	28012.61							
						Total Qnty	16.00	28012.61	448201.68
EX-22	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.(Item No,15.104, Pg No 127)								
	Painting	sqm	1	28		1.5	42.00		
			1	24		1.5	36.00		
			1	22.5		3.6	81.00		
	Erom Rate Analysis	199.06							
						Total Qnty	159.00	199.06	31650.80

Scanned with CamScanner

	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
	Providing textured paint of approved quality, colour and shade to Sqm wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer-in-charge of the work. .(Item No,15.105, Pg No 128)								
	Painting For Wall	sqm	1	28		1.5	42.00		
			1	24		1.4	33.60		
			1	22.5		3.6	81.00		
	Fencing for court		2	28.00		6.00	336.00		
			2	23.50		6.00	282.00		
			2	24.00		6.00	288.00		
			2	22.50		3.60	162.00		
	for basketball court		2	24.00	22.50		1080.00		
							2304.60		
						Schedule B Qty	159.00		
						Qty upto 125%	198.75	485.49	96490.98287
						Above 125%	2105.85	485.49	1022367.478
	Erom Rate Analysis	Rs. 485.49							
	Total								8788266.18

Modified

TECHNICAL SANCTION

Rs. 8788266/- (Rs. Eight Million seven hundred eighty eight thousand two hundred & sixty six only) is accorded under the head: P-3075

P.N: 26-27

By CE(R.R.N.)

Registered as CE (R.R.N) No. 85/21-22 subject to conditions contained in enclosed memo No: 85/21-22 Dt. 21/09/2021

CE (R.R.N.)

QTA.

CERTIFICATE:

1 The work spot have been inspected by me and work is found to be necessary.

2 The Estimate is based on the CSR. of PWD 2018-19.

3 The provisions were made in this estimate are adequete and essential

4 This works comes under BBMP Limits

Asst Engineer
Ward No.16

Asst. Executive Engineer
Yeshwanthpura Sub Division
BBMP

Executive Engineer
R. R. Nagara Division
BBMP

Scanned with CamScanner